

Application No. 09/474,935
Amendment dated August 6, 2003
Reply to Final Office Action of June 5, 2003

Amendments To the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): An email/fax communication system for use in a packet
2 switching network environment including a mail server for storing email messages for
3 transmission thereof, in the form of a fax document, to at least one recipient fax machine,
4 comprising:

5 a router for receiving a first email message, in the form of packets, from the mail server,
6 for converting the first email message packets to original fax pages of a fax document, for
7 transmitting the original fax pages to a recipient fax machine and upon failure to successfully
8 transmit all of the pages of the fax document to the recipient fax machine, transmitting failed
9 fax pages, defined by those fax pages of the fax document that failed to be successfully
10 transmitted to the recipient fax machine, in the form of a secondary email message[, in the
11 form] comprising [of] secondary email [packages] packets, to the mail server for future re-
12 transmission of the failed faxed pages to the recipient fax machine.

1 Claim 2 (previously presented): An email/fax communication system as recited in claim 1
2 wherein the first email message includes first envelope information, in the form of packets,
3 having a destination field for identifying the recipient fax machine.

1 Claim 3 (currently amended) An email/fax communication system as recited in claim 2
2 wherein the router further for [transmitting] transmitting the original fax pages to more than
3 one recipient fax machine and further for re-transmitting the failed fax pages to the recipient
4 fax machine.

1 Claim 4 (previously presented): An email/fax communication system as recited in claim 3
2 wherein the router further for converting the failed fax pages to secondary email packets.

1 Claim 5 (previously presented) An email/fax communication system as recited in claim 4
2 wherein the secondary email packets include secondary envelope information having a
3 destination field for identifying recipient fax machines that failed to receive the failed fax pages.

1 Claim 6 (previously presented): An email/fax communication system as recited in claim 5
2 wherein the first envelope information and the secondary email message include identical
3 information when there is one recipient fax machine.

1 Claim 7 (currently amended): A method for transmission of fax documents generated from
2 email messages in a packet switching network environment comprising:
3 receiving a first email message[, in the form] comprising of first email packets, from a
4 mail server;
5 converting the first email message packets into fax pages of a fax document;
6 transmitting the fax pages to a recipient fax machine;
7 upon failure to successfully transmit the fax pages of the fax document to the recipient
8 fax machine, converting failed fax pages, defined by those fax pages of the fax document
9 that failed to be successfully transmitted to the recipient fax machine, into secondary
10 email packets wherein, upon conversion to fax pages, for re-transmission thereof to the
11 recipient fax machine; and
12 transmitting one or more of the first email message packets to the mail server for future
13 re-transmission thereof to the recipient fax machine.

1 Claim 8 (previously presented): An email/fax communication system as recited in claim 2
2 wherein the destination field of the first envelope information is a “To:” field.

1 Claim 9 (previously presented): An email/fax communication system as recited in claim 5
2 wherein the secondary envelope information includes a source field for identifying the source of
3 the first email message and a header field for identifying subject matter of the first email
4 message.

1 Claim 10 (previously presented): An email/fax communication system as recited in claim 5
2 wherein the destination field of the secondary envelope information is a “To:” field.

1 Claim 11 (previously presented): An email/fax communication system as recited in claim 4
2 wherein the secondary email packets are transmitted back to the mail server for storage thereof
3 and subsequent re-transmission to the router.

1 Claim 12 (previously presented): An email/fax communication system as recited in claim 11
2 wherein the secondary email packets are transmitted back to the mail server in the order in which
3 the fax pages were to be transmitted to the recipient fax machines prior to failure of the
4 transmission of the fax pages to the recipient fax machines.

1 Claim 13 (previously presented): An email/fax communication system as recited in claim 1
2 wherein the router further for storing a particular fax page therein until the particular fax page is
3 successfully transmitted to the recipient fax machine.

1 Claim 14 (previously presented): An email/fax communication system as recited in claim 5
2 wherein the router for further storing the first envelope information until the secondary envelope
3 information is created.

- 1 Claim 15 (previously presented): A method for transmission of fax documents generated from
- 2 email messages in a packet switching network environment comprising:
 - 3 receiving a first email message, in the form of packets;
 - 4 converting the first email message packets into first fax pages of a fax document;
 - 5 transmitting the first fax pages to a recipient fax machine;
 - 6 upon failure to successfully transmit at least one of the first fax pages of the fax
 - 7 document to the recipient fax machine, converting the failed fax pages into secondary email
 - 8 packets for re-transmission thereof to the recipient fax machine; and
 - 9 transmitting one or more of the first email message packets to a destination other
- 10 than the recipient fax machine.

1 Claim 16 (previously presented): A method for transmission of fax documents as recited in claim
2 15 further comprising the steps of receiving a first envelope information for identification of the
3 source, destination and header information associated with the first email message and storing
4 the first envelope information.

- 1 Claim 17 (previously presented): A method for transmission of fax documents as recited in claim
- 2 15 including the step of transmitting the first email message to multiple recipient fax machines.

1 Claim 18 (currently amended): A computer readable medium having stored therein
2 computer readable program code comprising instructions for performing the
3 following steps:

4 receiving a first email message, including first email message packets, from a
5 mail server;

6 converting the first email message packets into fax pages of a fax document;

7 transmitting the fax pages to a recipient fax machine;

8 upon failure to successfully transmit the fax pages of the fax document to the
9 recipient fax machine, converting failed fax pages, defined by those fax pages
10 of the fax document that failed to be successfully transmitted to the recipient
11 fax machine, into secondary email packets wherein, upon conversion to fax
12 pages, for re-transmission thereof to the recipient fax machine; and
13 transmitting one or more of the first email message packets to the mail server
14 for future re-transmission thereof to the recipient fax machine.
